

SAFETY DATA SHEET

2134770

1. Product and Company Identification

[Product name] uni POSCA Basic colors (PC-1M/3M/5M/7M/8K/17K,PC-1MR, PCF-350)

[File No.] 100657E

[Date of issue] 2020/12/23

[Details of Manufacture]

Manufacture's name: MITSUBISHI PENCIL CO., LTD.

Address: 5-23-37, HIGASHIOHI, SHINAGAWA, TOKYO, JAPAN

Telephone number: 03-3458-6281 telefax number: 03-3450-0363
(Only office hour are available.)

2. Hazards identification

Information of this section is about the ink.

[Classification of the substance or mixture]

PHYSICO-CHEMICAL HAZARDS

Not applicable.

HEALTH HAZARDS

| | |
|--|-------------------------------|
| Acute toxicity(oral) | : Not classified |
| Acute toxicity(skin) | : Not classified |
| Acute toxicity(inhalation steam) | : Not classified |
| Skin corrosion/irritation | : Category3 |
| Serious eye damage/Eye Irritation | : Not classified |
| Respiratory sensitizer | : Classification not possible |
| Skin sensitizer | : Classification not possible |
| Germ cell mutagenicity | : Classification not possible |
| Carcinogenicity | : Category1 |
| Toxic to reproduction | : Category1 |
| Specific target organ systemic toxicity(single exposure) | : Category1 |
| Specific target organ systemic toxicity(repeated exposure) | : Category1 |
| Aspiration hazard | : Not classified |

ENVIRONMENTAL HAZARDS

| | |
|---|-------------------------------|
| Hazard to the Aquatic Environment (Acute) | : Classification not possible |
| Hazard to the Aquatic Environment (Chronic) | : Not classified |

[Label elements]

Pictogram



Signal Word

: Danger

Hazard Statement

: Causes mild skin irritation
 : May cause cancer
 : May damage fertility or the unborn child
 : Causes damage to organs
 : Causes damage to organs through prolonged or repeated exposure

Precautionary Statement

: Do not breathe dust/vapours etc..
 : Do not eat, drink or smoke when using this product.

- : Use personal protective equipment as required. (Refer to Section 8)
- : Get medical advice/attention if you feel unwell.
- : IF exposed or concerned: Get medical advice/attention.
- : If skin irritation occurs: Get medical advice/attention.
- : Dispose in accordance with all current regulations and standards.

[Other hazards]

No information available.

3. Composition/information on ingredients

| [The chemical product is a substance or a mixture] | Mixture |
|--|----------------------------------|
| [Chemical nature] | [Component parts] Ink |
| Chemical name | Cas No. Concentration range(wt%) |
| Water | 7732-18-5 50-80 |
| Titanium dioxide | 13463-67-7 < 30 |
| 1,2-Ethanediol | 107-21-1 < 10 |
| 1,2-Propanediol | 57-55-6 < 10 |
| 2-Propanol | 67-63-0 < 10 |
| Carbon black | 1333-86-4 < 10 |
| Ethanol | 64-17-5 < 10 |
| 1-Propanol | 71-23-8 < 1 |
| 2-Aminoethanol | 141-43-5 < 1 |

4. First aid measures

[Description of first aid measures]

- Eye contact : Flush eyes with plenty of water for at least 15 minutes.
 : Take off the contact lens if possible
 : Consult medical advice depending on the symptoms.
- Skin contact : Wash skin.
 : Consult medical advice depending on the symptoms.
 : Thoroughly clean and dry contaminated clothing and shoes before reuse.
- Ingestion : Rinse mouth, give plenty of water to dilute. No specific intervention is indicated as compound is not likely to be hazardous by ingestion.
 : Consult medical advice depending on the symptoms.
- Inhalation : Due to its low vapor pressure inhalation is unlikely at room temperature.
 : If not feeling well, move to an area of fresh air and rest.
 : Consult medical advice depending on the symptoms.

[Most important symptoms and effects, both acute and delayed]

No information available.

[Indication of any immediate medical attention and special treatment needed]

No information available.

5. Firefighting measures

[Extinguishing media] Regular dry chemical, carbon dioxide, water, regular foam

[Special hazards arising from the substance or mixture]

No further relevant information available.

[Advice for firefighters]

Stay upwind and keep out of low areas and avoid inhalation of material or combustion by-products.

Wear suitable protective equipment.

6. Accidental release measures

[Personal precautions, protective equipment and emergency procedures]

Rope off the area to contain the leak and prohibit entrance except for authorized persons.

Wear appropriate protection gear.

Do not work in the leeward.

[Environmental precautions]

Collect leaked material in empty container after leading outflow to a safe area containing earth and sand.

Do not allow leaked material to pollute rivers, lakes, etc.

[Methods and material for containment and cleaning up]

Wipe off by dry cloth and wash with water.

Dispose of pollution or waste in accordance with national, state and local regulations.

[Reference to other sections]

No information available.

7. Handling and storage

[Precautions for safe handling]

Do not lick or swallow the ink.

Avoid contact with skin and eyes.

Recap after use (if there is a cap), and keep out of the reach of infants.

[Conditions for safe storage, including any incompatibilities]

Keep away from oxidizing materials, ignition sources, high temperature and direct sunlight.

Recommended temperature : 0–40°C

[Specific end use(s)]

No information available.

8. Exposure controls/personal protection

[Control parameters]

| Chemical name | OSHA | ACGIH |
|------------------|--------------------------|-----------------------------|
| Titanium dioxide | (TWA)15mg/m ³ | (TWA)10mg/m ³ |
| Carbon black | – | (TWA)3.5mg/m ³ |
| 2-Propanol | – | (TWA)200ppm (STEL)400ppm |
| Ethanol | – | (TWA)1000ppm |
| 1,2-Ethanediol | – | (STEL)100mg/m ³ |

[Exposure controls]

| | |
|------------------------|-----------------|
| Protective equipment | : Not required. |
| Respiratory protection | : Not required. |
| Hands protection | : Not required. |
| Eye protection | : Not required. |
| Skin protection | : Not required. |

9. Physical and chemical properties

[Information on basic physical and chemical properties]

| | |
|-------|---------------------------------|
| Color | : Various (Refer to Section 16) |
| State | : Liquid |

| | |
|--------------------------|--|
| Odor | : No information available. |
| pH | : No information available. |
| Boiling point | : No information available.[Water 100.0°C] |
| Melting point | : No information available. |
| Flash point | : No information available. |
| Autoignition temperature | : No information available. |
| Explosion limits | : No information available. |
| Vapor density(air=1) | : No information available. |
| Density | : No information available. |
| Solubility in water | : No information available. |
| Evaporation rate | : No information available. |
| [Other information] | No information available. |

10. Stability and reactivity

| | |
|--------------------------------------|--|
| [Chemical stability] | This mixture is stable in normal temperature and pressure. |
| [Reactivity] | No data available. |
| [Conditions to avoid] | Avoid heat, flames, sparks and other sources of ignition. Avoid direct sunlight and high temperature. |
| [Incompatible materials] | No information available. |
| [Hazardous decomposition products] | No information available. |
| [Possibility of hazardous reactions] | No information available. |

11. Toxicological information

| | |
|--|--------------------------------|
| [Information on toxicological effects] | |
| Acute toxicity(oral) | |
| Not classified | : >2000 mg/kg (estimate value) |
| Acute toxicity(skin) | |
| Not classified | : >2000 mg/kg (estimate value) |
| Acute toxicity(inhalation:vapours) | |
| Not classified | : >20 mg/L (estimate value) |
| Skin corrosion/irritation | |
| 1,2-Ethandiol | : Category2 |
| Serious eye damage/Eye Irritation | |
| No information available. | |
| Respiratory sensitizer | |
| No information available. | |
| Skin sensitizer | |
| No information available. | |
| Germ cell mutagenicity | |
| No information available. | |

Garcinogenicity

| | |
|------------------|--------------|
| Titanium dioxide | : Category2 |
| Carbon black | : Category2 |
| Ethanol | : Category1A |

Toxic to reproduction

| | |
|---------|--------------|
| Ethanol | : Category1A |
|---------|--------------|

Specific target organ systemic toxicity(single exposure)

| | |
|-----------------|-------------|
| 2-Propanol | : Category1 |
| 1,2-Ethenediol | : Category1 |
| 1,2-Propanediol | : Category1 |

Specific target organ systemic toxicity(repeated exposure)

| | |
|------------------|-------------|
| Titanium dioxide | : Category1 |
| Carbon black | : Category1 |
| 2-Propanol | : Category1 |
| Ethanol | : Category1 |
| 1,2-Propanediol | : Category1 |

Aspiration hazard

No information available.

Hazard to the Aquatic Environment (Acute)

No information available.

Hazard to the Aquatic Environment (Chronic)

No information available.

12. Ecological information

[Results of PBT and vPvB assessment]

No information available.

[Other adverse effects]

No information available.

13. Disposal considerations

[Waste treatment methods]

Dispose in accordance with all current regulations and standards.

Do not allow it to flow into the drainages with waste fluid.

14. Transport information

[Environmental hazards]

No information available.

[HS Code]

960820

[Special precautions for user]

Check the container for any leakage. Load a cargo without a dropping or incurring damage, and take caution against collapse of container.

15. Regulatory information

Information of this section is about the ink.

[Safety, health and environmental regulations/legislation specific for the substance or mixture]

Follow all regulation in your country.

[Chemical safety assessment]

Ink or lead are manufactured in accordance with "ISO 8124-3 :2010 Safety of Toys – Part 3"

16. Other information

- The information is based on our present knowledge at the date of its publication, and designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release.
- This shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

[INK color]

Black, White, Sunshine Yellow, Straw-yellow, Yellow, Bright-yellow, Light-orange, Apricot, Orange, Red, Red-wine, Pink, Coral-pink, Light-pink, Lavender, Lilac, Violet, Blue, Light-blue, Sky-blue, Turquoise, Aqua-green, Light-green, Apple-green, Emerald-green, Green, Ivory, Beige, Brown, Grey, Slate-grey